Mack, et al

Application No.: 09/642,034

Page 2

AI

(b) comparing the expression of said gene(s) in the first sample to expression of said gene in a second sample; wherein said comparison is used to diagnose breast cancer.

- 33. (New) The method of claim 32, wherein said second sample is from said first individual.
- 34. (New) The method of claim 33, wherein said first sample is breast tissue.
- 35. (New) The method of claim 33, wherein said second sample is breast tissue.
- 36. (New) The method of claim 33, wherein said second sample is cancerous tissue.
- 37. (New) The method of claim 32, wherein said second sample is from a second individual.
- 38. (New) The method of claim 37, wherein said first sample is breast tissue.
- 39. (New) The method of claim 37, wherein said second sample is breast tissue.
- 40. (New) The method of claim 37, wherein said second sample is cancerous tissue.

Mack, et al

Application No.: 09/642,034

Page 3

Al

- 41. (New) The method of claim 32, wherein said gene is the gene disclosed in Figure 1 or Figure 2.
  - 42. (New) The method of claim 32, wherein said gene encodes BCR4.
- 43. (New) The method of claim 32, wherein said expression is measured using a labeled nucleic acid probe.
- 44. (New) The method of claim 32, wherein said expression is measured utilizing a biochip comprising the sequence disclosed in Figure 1 or Figure 2.
- 45. (New) A method for determining the prognosis of an individual with breast cancer comprising determining the expression of a gene at least 75% identical to the sequence disclosed in Figure 1 or Figure 2 in a sample, wherein the expression of the gene is used to determine the prognosis of the individual.
- 46. (New) The method of claim 45, wherein said gene is the sequence disclosed in Figure 1 or Figure 2.
  - 47. (New) The method of claim 45, wherein said gene encodes BCR4.
- 48. (New) The method of claim 45, wherein said expression is measured using a labeled nucleic acid probe.
- 49. (New) The method of claim 45, wherein said expression is measured utilizing a biochip comprising the sequence disclosed in Figure 1 or Figure 2.